

RECEIVED

NOV 29 2002



TECH CENTER 1600/2900

1600

RAW SEQUENCE LISTING

DATE: 11/18/2002

PATENT APPLICATION: US/10/000,840A

TIME: 12:59:34

Input Set : A:\24492_005 Seq list.txt

Output Set: N:\CRF4\11182002\J000840A.raw

#16

4 <110> APPLICANT: Magil, Sheila G.
5 Jones, Susan D.
6 Pace, Gary W.
7 Brand, Stephen J.
9 <120> TITLE OF INVENTION: Novel Epidermal Growth Factor Protein and
10 Gene, and Methods of Use Therefor
12 <130> FILE REFERENCE: 24492-005
14 <140> CURRENT APPLICATION NUMBER: US 10/000,840A
15 <141> CURRENT FILING DATE: 2001-10-23
17 <160> NUMBER OF SEQ ID NOS: 9
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 53
23 <212> TYPE: PRT
24 <213> ORGANISM: Human EGF (epidermal growth factor)
26 <400> SEQUENCE: 1
27 Asn Ser Asp Ser Glu Cys Pro Leu Ser His Asp Gly Tyr Cys Leu His
28 1 5 10 15
29 Asp Gly Val Cys Met Tyr Ile Glu Ala Leu Asp Lys Tyr Ala Cys Asn
30 20 25 30
31 Cys Val Val Gly Tyr Ile Gly Glu Arg Cys Gln Tyr Arg Asp Leu Lys
32 35 40 45
33 Trp Trp Glu Leu Arg
34 50
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 51
39 <212> TYPE: PRT
40 <213> ORGANISM: Recombinant human EGF51N
42 <400> SEQUENCE: 2
43 Asn Ser Asp Ser Glu Cys Pro Leu Ser His Asp Gly Tyr Cys Leu His
44 1 5 10 15
45 Asp Gly Val Cys Met Tyr Ile Glu Ala Leu Asp Lys Tyr Ala Cys Asn
46 20 25 30
47 Cys Val Val Gly Tyr Ile Gly Glu Arg Cys Gln Tyr Arg Asp Leu Lys
48 35 40 45
49 Trp Trp Asn
50 50
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 51
55 <212> TYPE: PRT
56 <213> ORGANISM: Recombinant human EGF51A
58 <400> SEQUENCE: 3
59 Asn Ser Asp Ser Glu Cys Pro Leu Ser His Asp Gly Tyr Cys Leu His

ENTERED

RAW SEQUENCE LISTING

DATE: 11/18/2002

PATENT APPLICATION: US/10/000,840A

TIME: 12:59:34

Input Set : A:\24492_005 Seq list.txt

Output Set: N:\CRF4\11182002\J000840A.raw

```
60 1          5          10          15
61 Asp Gly Val Cys Met Tyr Ile Glu Ala Leu Asp Lys Tyr Ala Cys Asn
62                20                25                30
63 Cys Val Val Gly Tyr Ile Gly Glu Arg Cys Gln Tyr Arg Asp Leu Lys
64                35                40                45
65 Trp Trp Ala
66      50
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 51
71 <212> TYPE: PRT
72 <213> ORGANISM: Recombinant human EGF51Q
74 <400> SEQUENCE: 4
75 Asn Ser Asp Ser Glu Cys Pro Leu Ser His Asp Gly Tyr Cys Leu His
76 1          5          10          15
77 Asp Gly Val Cys Met Tyr Ile Glu Ala Leu Asp Lys Tyr Ala Cys Asn
78                20                25                30
79 Cys Val Val Gly Tyr Ile Gly Glu Arg Cys Gln Tyr Arg Asp Leu Lys
80                35                40                45
81 Trp Trp Gln
82      50
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 51
87 <212> TYPE: PRT
88 <213> ORGANISM: Recombinant human EGF51S
90 <400> SEQUENCE: 5
91 Asn Ser Asp Ser Glu Cys Pro Leu Ser His Asp Gly Tyr Cys Leu His
92 1          5          10          15
93 Asp Gly Val Cys Met Tyr Ile Glu Ala Leu Asp Lys Tyr Ala Cys Asn
94                20                25                30
95 Cys Val Val Gly Tyr Ile Gly Glu Arg Cys Gln Tyr Arg Asp Leu Lys
96                35                40                45
97 Trp Trp Ser
98      50
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 161
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: DNA encoding EGF51N
109 <400> SEQUENCE: 6
110 aactctgact ccgaatgtcc attgtctcac gacggttact gtttgacga cgggtgttgt 60
111 atgtacatcg aagcttttga caagtacgct tgtaactgtg ttgtcggtta catcggtgaa 120
112 agatgtcaat acagagactt gaagtgggtg aattgagata a 161
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 161
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: DNA encoding EGF51A
```

RAW SEQUENCE LISTING

DATE: 11/18/2002

PATENT APPLICATION: US/10/000,840A

TIME: 12:59:34

Input Set : A:\24492_005 Seq list.txt

Output Set: N:\CRF4\11182002\J000840A.raw

122 <400> SEQUENCE: 7
123 aactctgact ccgaatgtcc attgtctcac gacggttact gtttgacga cggtgtttgt 60
124 atgtacatcg aagctttgga caagtacgct tgtaactgtg ttgtcgggta catcggtgaa 120
125 agatgtcaat acagagactt gaagtgggtg gcttgagata a 161
127 <210> SEQ ID NO: 8
129 <211> LENGTH: 161
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: DNA encoding EGF51Q
136 <400> SEQUENCE: 8
137 aactctgact ccgaatgtcc attgtctcac gacggttact gtttgacga cggtgtttgt 60
138 atgtacatcg aagctttgga caagtacgct tgtaactgtg ttgtcgggta catcggtgaa 120
139 agatgtcaat acagagactt gaagtgggtg caatgagata a 161
141 <210> SEQ ID NO: 9
143 <211> LENGTH: 161
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: DNA encoding EGF51S
150 <400> SEQUENCE: 9
151 aactctgact ccgaatgtcc attgtctcac gacggttact gtttgacga cggtgtttgt 60
152 atgtacatcg aagctttgga caagtacgct tgtaactgtg ttgtcgggta catcggtgaa 120
153 agatgtcaat acagagactt gaagtgggtg tcttgagata a 161

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/000,840A

DATE: 11/18/2002
TIME: 12:59:35

Input Set : A:\24492_005 Seq list.txt
Output Set: N:\CRF4\11182002\J000840A.raw

11/18/02